

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.

	Hex(C34441)	Hex(FFFFFF)	Hex(FF7A71)	Hex(FF968B)	Hex(FFB2A5)	Hex(FFCEC0)	Hex(FFEBCD)	Hex(FFFFF9)
Hex(C34441)		Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 1.96 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.51 AA 18pt ²	Ratio: 4.30 AA 18pt ²	Ratio: 4.95 AA ¹ AAA 18pt ⁴
Hex(FFFFFF)	Ratio: 4.97 AA ¹ AAA 18pt ⁴		Ratio: 2.54 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.00 Failed ⁵
Hex(FF7A71)	Ratio: 1.96 Failed ⁵	Ratio: 2.54 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.53 Failed ⁵
Hex(FF968B)	Ratio: 2.36 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.10 Failed ⁵
Hex(FFB2A5)	Ratio: 2.88 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.72 Failed ⁵
Hex(FFCEC0)	Ratio: 3.51 AA 18pt ²	Ratio: 1.41 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.41 Failed ⁵
Hex(FFEBCD)	Ratio: 4.30 AA 18pt ²	Ratio: 1.16 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.15 Failed ⁵
Hex(FFFFF9)	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 1.00 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.15 Failed ⁵	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

¹ AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

² AA 18pt

AA level for large text above 18pt.

³ AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

⁴ AAA 18pt

AAA level for large text above 18pt.

⁵ Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

⁶ Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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